

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6	("20030230768" "3951513" "4692601" "4793910" "4877945" "5482570").PN.	US-PGPUB; USPAT	OR	ON	2010/02/13 19:17
L2	7	US-4398056-\$.DID. OR US-5110370-\$.DID. OR US-5217296-\$.DID. OR US-5782993-\$.DID. OR US-6444072-\$.DID. OR US-20030111527-\$.DID. OR US-20030188776-\$.DID.	US-PGPUB; USPAT	OR	ON	2010/02/13 19:18
S1	54	((christoph near2 brabec) (jens near2 hauch)).in.	US-PGPUB; USPAT	OR	ON	2008/03/27 17:38
S2	46	(KONARKA near6 TECH \$).as.	US-PGPUB; USPAT	OR	ON	2008/03/27 17:45
S4	5	US-5891264-\$.DID. OR EP-1213775-\$.DID. OR JP-07066438-\$.DID. OR US-6291763-\$.DID. OR US-5986206-\$.DID.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/27 17:53
S9	225217	(solar photoelectric photovoltaic)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/27 17:59
S10	39187	(rough\$4 uneven\$4 textur\$4) near6 substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/27 18:00
S11	648	S9 same S10	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/27 18:01
S13	264	S11 and "136"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2008/03/27 18:02
S14	176	S11 and "136"/252,258-265.ccls.	US-PGPUB; USPAT	OR	ON	2008/03/27 18:03
S15	9	S11 and "136"/263.ccls.	US-PGPUB; USPAT	OR	ON	2008/03/27 18:03
S19	50665	semiconduct\$4 near6 (polymer resin)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/27 18:20

S20	39	S11 and S19	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/27 18:24
S22	21	S13 and S20	US-PGPUB; USPAT	OR	ON	2008/03/27 18:26
S23	16	S14 and S20	US-PGPUB; USPAT	OR	ON	2008/03/27 18:26
S26	154	(S9 same S10)	JPO	OR	ON	2008/03/27 18:28
S29	9197	(rough\$4 uneven\$4 textur\$4) near substrate	US-PGPUB; USPAT	OR	ON	2008/03/27 18:31
S30	142471	(solar photoelectric photovoltaic)	US-PGPUB; USPAT	OR	ON	2008/03/27 18:32
S32	90	S29 same S30 and "136"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2008/03/27 18:32
S33	12	anti?reflect\$4 with (textur\$4 uneven\$4 rough\$4) with substrate and "136"/\$. ccls.	US-PGPUB; USPAT	OR	ON	2008/06/16 13:55
S34	7	washio.in. and (solar adj cell)	US-PGPUB; USPAT	OR	ON	2008/06/17 17:27
S35	299	textur\$4 with substrate and "136"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/17 17:38
S36	4	EP-1028475-\$.DID. OR WO-0011725-\$.DID. OR WO-0011725D-\$. DID. OR DE-19814652- \$.DID. OR DE- 19814652D-\$.DID. OR DE-1981465-\$.DID.	EPO; DERWENT	OR	ON	2008/09/03 15:14
S37	56	((christoph near2 brabec) (jens near2 hauch)).in.	US-PGPUB; USPAT	OR	ON	2008/09/03 15:14
S38	52	(KONARKA near6 TECH \$).as.	US-PGPUB; USPAT	OR	ON	2008/09/03 15:14
S39	57	((christoph near2 brabec) (jens near2 hauch)).in.	US-PGPUB; USPAT	OR	ON	2008/10/08 15:26
S40	52	(KONARKA near6 TECH \$).as.	US-PGPUB; USPAT	OR	ON	2008/10/08 15:26
S41	666	(textur\$4 uneven\$4 rough\$4) with substrate and "136"/\$. ccls.	US-PGPUB; USPAT	OR	ON	2008/10/08 15:30

S42	11	("5101260" "5486238" "5711824").PN. OR ("5891264").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/08 15:34
S43	62	S41 and (PET PEN) same substrate	US-PGPUB; USPAT	OR	ON	2008/10/08 15:52
S44	186	substrate same (PEN PET PES) same textur \$4	US-PGPUB; USPAT	OR	ON	2008/10/08 16:14
S45	1	substrate same (PEN PET PES) same textur \$4 and "136".clas.	US-PGPUB; USPAT	OR	ON	2008/10/08 16:23
S46	442	substrate same textur \$4 and "136".clas.	US-PGPUB; USPAT	OR	ON	2008/10/08 16:23
S47	25	S46 and (substrate same (PET PEN PES))	US-PGPUB; USPAT	OR	ON	2008/10/08 16:24
S48	20	("5101260" "5486238").PN. OR ("5711824").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/08 16:26
S49	173409	solar photovoltaic photoelectric	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/08 16:45
S50	15493	organic near4 semiconductor	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/08 16:45
S51	1106	S49 same S50	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/08 16:45
S52	10364	substrate same texture	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/08 16:45
S53	12	S51 and S52	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/08 16:45
S54	9	("4398056" "4493942" "4514582").PN. OR ("4683160").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/08 16:59
S55	729	S49 and S52	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/08 17:17
S56	215	S55 and "136".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/08 17:17
S57	24	("4497974" "4500743" "4532537" "4554727" "4599482" "4683160" "4689438" "4694116" "4732621" "4746372").PN. OR ("4808462").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/08 17:21
S58	200	S51 and (texture uneven\$4 roughness)	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/08 17:29
S59	322	textur\$4 with substrate and "136".clas.	US-PGPUB; USPAT	OR	ON	2008/10/08 17:39

S60	66	(silicon near2 (oxide dioxide)) same textur\$4 and "136".clas.	US-PGPUB; USPAT	OR	ON	2008/10/09 09:46
S61	152020	solar photovoltaic photoelectric	US-PGPUB; USPAT	OR	ON	2008/11/15 20:28
S62	34915	organic with semiconduct\$4	US-PGPUB; USPAT	OR	ON	2008/11/15 20:30
S63	48633	(rough\$4 uneven\$4 textur\$4) with substrate	US-PGPUB; USPAT	OR	ON	2008/11/15 20:30
S64	446	S61 and S62 and S63	US-PGPUB; USPAT	OR	ON	2008/11/15 20:30
S65	89	S64 and "136".clas.	US-PGPUB; USPAT	OR	ON	2008/11/15 20:30
S66	389	S61 same S63 and "136".clas.	US-PGPUB; USPAT	OR	ON	2008/11/15 20:39
S67	21	("4005468").PN. OR ("4485264").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/15 20:48
S68	11	("5101260" "5486238" "5711824").PN. OR ("5891264").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/15 21:53
S69	9	("3973994" "4328390" "4398056" "4419533" "5453135" "5503898" "5711824").PN. OR ("6350945").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/15 22:05
S70	54	("4532537" "4554727" "4732621" "4851658").PN. OR ("5482570").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/15 22:09
S71	6	(organic near4 semiconduct\$\$) and (textur\$4 with substrate) and "136".clas.	US-PGPUB; USPAT	OR	ON	2008/11/16 10:35
S72	55	(organic same semiconduct\$4) and (textur\$6 same substrate) and "136".clas.	US-PGPUB; USPAT	OR	ON	2008/11/16 13:17
S73	58	((christoph near2 brabec) (jens near2 hauch)).in.	US-PGPUB; USPAT	OR	ON	2009/03/18 11:23
S74	55	(KONARKA and TECH\$).as.	US-PGPUB; USPAT	OR	ON	2009/03/18 11:23
S75	157425	solar photovoltaic photoelectric	US-PGPUB; USPAT	OR	ON	2009/03/18 11:33

S76	50664	substrate near4 flexibl \$4	US-PGPUB; USPAT	OR	ON	2009/03/18 11:35
S77	36440	(rough\$4 uneven\$4 textur\$4) near6 substrate	US-PGPUB; USPAT	OR	ON	2009/03/18 11:40
S78	572	S75 and S76 and S77	US-PGPUB; USPAT	OR	ON	2009/03/18 11:40
S79	117	S78 and "136". clas.	US-PGPUB; USPAT	OR	ON	2009/03/18 11:40
S80	455	S78 not S79	US-PGPUB; USPAT	OR	ON	2009/03/18 11:40
S81	111	semiconduct\$6 same (conjugated near4 polymer) same fullerene	US-PGPUB; USPAT	OR	ON	2009/03/18 11:42
S82	7	S77 and S81	US-PGPUB; USPAT	OR	ON	2009/03/18 11:42
S83	19	S81 and "136". clas.	US-PGPUB; USPAT	OR	ON	2009/03/18 11:44
S84	342905	(structur\$4 rough\$4 uneven\$4 textur\$4) with substrate	US-PGPUB; USPAT	OR	ON	2009/03/18 11:48
S85	15	S73 and S84	US-PGPUB; USPAT	OR	ON	2009/03/18 11:48
S86	32	S74 and S84	US-PGPUB; USPAT	OR	ON	2009/03/18 11:48
S87	29	S86 not S85	US-PGPUB; USPAT	OR	ON	2009/03/18 11:52
S88	2	("5670791" "5454880"). pn.	USPAT	OR	ON	2009/03/18 13:08
S89	56	("5009958" "5171373" "5185208").PN. OR ("5454880").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/18 13:18
S90	41	("4367369" "4439410" "4568791" "4795242" "4828875" "4947219" "5202061" "5254648" "5331183" "5403439" "5413226" "5454880" "5503898" "5545443" "5561026" "5625527" "5635581").PN. OR ("5986206").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/18 14:23

S91	30	("20020036298" "20020117201" "20030062082" "20030067000" "20040094196" "5006915" "5009958" "5171373" "5178980" "5185208" "5221854" "5247190" "5331183" "5350459" "5454880" "5470910" "5670791" "5677572" "5698048" "5759725" "5986206" "6198092" "6239355" "6291763" "6580027").PN. OR ("6812399").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/18 14:26
S92	8695	(cathode anode) with (work near function)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/18 14:40
S93	93	S92 and "136".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/18 14:40
S94	29	MEH?PPV same PCBM	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/18 14:51
S95	306	(conjug\$6 near4 polymer) same fullerene	US-PGPUB; USPAT	OR	ON	2009/03/18 14:57
S96	71	S75 and S95 and "136". clas.	US-PGPUB; USPAT	OR	ON	2009/03/18 14:57
S97	197	S75 and S95	US-PGPUB; USPAT	OR	ON	2009/03/18 14:59
S98	56	("5009958" "5171373" "5185208").PN. OR ("5454880").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/18 15:16
S99	39	("5454880" "5698048" "5703436" "5861219" "5986206" "6097147" "6198091" "6198092" "6278055" "6297495" "6333458" "6352777" "6451415").PN. OR ("6580027").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/18 15:18

S100	17	("3184371" "3300289" "3330627" "3523817" "3627560" "4024309").PN. OR ("4510195").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/18 17:12
S101	157673	solar photovoltaic photoelectric	US-PGPUB; USPAT	OR	ON	2009/03/19 11:15
S102	12288	organic near2 semiconduct\$4	US-PGPUB; USPAT	OR	ON	2009/03/19 11:15
S103	69306	flexibl\$4 with substrate	US-PGPUB; USPAT	OR	ON	2009/03/19 11:16
S104	1139	S101 and S102 and S103	US-PGPUB; USPAT	OR	ON	2009/03/19 11:17
S105	124	S104 and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/03/19 11:17
S106	737	(textur\$4 uneven\$4 rough\$4) with substrate and "136"/\$. ccls.	US-PGPUB; USPAT	OR	ON	2009/03/19 11:37
S107	156	S103 and S106	US-PGPUB; USPAT	OR	ON	2009/03/19 11:37
S108	20	S105 and S107	US-PGPUB; USPAT	OR	ON	2009/03/19 11:38
S109	110	S106 and (plastic with substrate)	US-PGPUB; USPAT	OR	ON	2009/03/19 11:52
S110	57	("5171373").PN. OR ("5331183").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/19 12:07
S111	34	(US-20060000506-\$ or US-20060081816-\$ or US-20060102891-\$ or US-20030042846-\$ or US-20030159729-\$ or US-20030102024-\$ or US-20060032528-\$ or US-20060076557-\$). did. or (US-5891264-\$ or US-6291763-\$ or US-4229233-\$ or US-4514582-\$ or US-5711824-\$ or US-4683160-\$ or US-4485264-\$ or US-5589008-\$ or US-6350945-\$ or US-5482570-\$ or US-6452092-\$ or US-5681402-\$ or US-7053294-\$ or US-6815736-\$ or US-6376765-\$ or US-5331183-\$ or US-	US-PGPUB; USPAT; JPO	OR	ON	2009/07/09 21:03

		5986206-\$ or US-6580027-\$ or US-4510195-\$ or US-5800632-\$ or US-6238808-\$ or US-5456762-\$ or US-4514583-\$).did. or (JP-07066438-\$ or JP-09139515-\$ or JP-2002141524-\$).did.				
S112	44431	(rough\$4 uneven\$4 textur\$4) near6 substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/07/09 21:04
S113	19	S111 and S112	US-PGPUB; USPAT; EPO; JPO	OR	ON	2009/07/09 21:04
S114	162835	solar photovoltaic photoelectric	US-PGPUB; USPAT	OR	ON	2009/07/09 21:18
S115	1003	136/246.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/09 21:20
S116	3143	electrode with flexib\$8 same (silver aluminum "Al" "Ag")	US-PGPUB; USPAT	OR	ON	2009/07/09 21:20
S117	1	S116 and S115	US-PGPUB; USPAT	OR	ON	2009/07/09 21:21
S118	73	S116 and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/07/09 21:21
S119	134	electrode with flexib\$8 with thickness same (silver aluminum "Al" "Ag")	US-PGPUB; USPAT	OR	ON	2009/07/09 21:33
S120	4	(layer electrode) near4 flexib\$8 with thick\$4 same (silver aluminum "Al" "Ag") and "136". clas.	US-PGPUB; USPAT	OR	ON	2009/07/09 21:42
S121	346	flexible near electrode same (silver aluminum "Al" "Ag")	US-PGPUB; USPAT	OR	ON	2009/07/09 21:43
S122	59	S121 same thick\$4	US-PGPUB; USPAT	OR	ON	2009/07/09 21:44
S123	0	S122 and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/07/09 21:51
S124	2435	ITO same PEDOT	US-PGPUB; USPAT	OR	ON	2009/07/17 18:08
S125	37801	(rough\$4 uneven\$4 textur\$4) near6 substrate	US-PGPUB; USPAT	OR	ON	2009/07/17 18:08
S126	107	S124 and S125	US-PGPUB; USPAT	OR	ON	2009/07/17 18:08

S127	1603	(rough\$4 uneven\$4 textur\$4) with (anti \$1reflect\$6 (anti near reflect\$6))	US-PGPUB; USPAT	OR	ON	2009/07/17 18:11
S128	414	S125 and S127	US-PGPUB; USPAT	OR	ON	2009/07/17 18:11
S129	80	S128 and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/07/17 18:11
S130	10	("4482779" "4497974" "4514582" "4532537" "4556790").PN. OR ("4956685").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/17 18:54
S131	123	S128 and "257".clas.	US-PGPUB; USPAT	OR	ON	2009/07/17 18:57
S132	983	ITO with (rough\$4 uneven\$4 textur\$4)	US-PGPUB; USPAT	OR	ON	2009/07/17 19:09
S133	47	S132 and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/07/17 19:09
S134	11587	substrate with flexibl\$6 same polymer	US-PGPUB; USPAT	OR	ON	2009/07/17 19:24
S135	401	S124 and S134	US-PGPUB; USPAT	OR	ON	2009/07/17 19:25
S136	36	S135 and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/07/17 19:25
S137	857889	(rough\$4 uneven\$4 textur\$4)	US-PGPUB; USPAT	OR	ON	2009/07/17 19:32
S138	23492	substrate with flexibl\$6 same (plastic polymer PET PEN)	US-PGPUB; USPAT	OR	ON	2009/07/17 19:34
S139	18	S137 same S138 and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/07/17 19:34
S140	72165	substrate with flexibl\$6	US-PGPUB; USPAT	OR	ON	2009/07/17 19:46
S141	2088	S137 same S140	US-PGPUB; USPAT	OR	ON	2009/07/17 19:46
S142	51	S141 and "136".clas.	US-PGPUB; USPAT	OR	ON	2009/07/17 19:47
S143	539	light near4 incident near4 substrate and "136".clas.	US-PGPUB; USPAT	OR	ON	2010/02/04 10:44
S144	3888	counter near4 electrode near4 transparent	US-PGPUB; USPAT	OR	ON	2010/02/04 10:49
S145	23	S143 and S144	US-PGPUB; USPAT	OR	ON	2010/02/04 10:49
S146	143	ITO near4 PEDOT:PSS	US-PGPUB; USPAT	OR	ON	2010/02/04 17:13

S147	28	S146 and "136".clas.	US-PGPUB; USPAT	OR	ON	2010/02/04 17:13
S148	109	PEDOT:PSS and "136". clas.	US-PGPUB; USPAT	OR	ON	2010/02/04 17:13
S149	173274	solar photovoltaic photoelectric	US-PGPUB; USPAT	OR	ON	2010/02/04 17:14
S150	76	S146 and S149	US-PGPUB; USPAT	OR	ON	2010/02/04 17:14
S151	5	("20020040728" "20030062082" "20070026171" "5891264" "6154311").PN.	US-PGPUB; USPAT	OR	ON	2010/02/13 16:24

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